

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Canceled)

1 2. (Currently amended): The method of claim ~~[[1]]12~~ further comprising
2 performing the first operation in addition to performing the predetermined operation, in response
3 to detecting the predetermined data sequence in the received data.

1 3. (Currently amended): The method of claim ~~[[1]]12~~ wherein the
2 predetermined operation is performed instead of the first operation, in response to detecting the
3 predetermined data sequence in the received data.

1 4. (Currently amended): The method of claim ~~[[1]]12~~ wherein the received
2 data further includes a second data sequence in addition to the predetermined sequence, wherein
3 the predetermined operation is indicated by the second data sequence.

1 5. (Currently amended): The method of claim ~~[[1]]12~~ wherein performing
2 the predetermined operation produces result data.

1 6. (Original): The method of claim 5 further comprising receiving a read
2 operation on the storage device and producing the result data in response to the read operation.

1 7. (Original): The method of claim 6 wherein the step of producing result
2 data includes storing the result data in a memory component of the storage device at a
3 predetermined location in the memory component, wherein the read operation includes address
4 information indicative of the predetermined location.

8. (Canceled)

1 9. (Currently amended): The method of claim ~~[[8]]~~12 wherein performing
2 the predetermined operation produces result data that is stored in a data store other than the
3 memory component.

1 10. (Currently amended): The method of claim ~~[[8]]~~12 wherein performing
2 the predetermined operation produces result data that is stored in the memory component.

11. (Canceled)

1 12. (Currently amended): An access method in a storage device comprising:
2 receiving received data in connection with a first operation on the storage device;
3 performing the first operation if a predetermined data sequence in the received
4 data is not detected; and
5 performing a predetermined operation that is not the first operation in response to
6 detecting the predetermined data sequence in the received data,
7 wherein the first operation is a write operation, wherein performing the first
8 operation includes storing the received data in a memory component of the storage device,
9 wherein the received data comprises an address portion and a data portion,
10 wherein the data portion comprises the predetermined data sequence,

11 ~~The method of claim 11~~ wherein the data portion further comprises a command
12 identifier that identifies the predetermined operation.

13. (Canceled)

1 14. (Currently amended): An access method in a storage device comprising:
2 receiving received data in connection with a first operation on the storage device;
3 performing the first operation if a predetermined data sequence in the received
4 data is not detected; and
5 performing a predetermined operation that is not the first operation in response to
6 detecting the predetermined data sequence in the received data,

7 wherein the first operation is a write operation, wherein performing the first
8 operation includes storing the received data in a memory component of the storage device,
9 wherein the received data comprises an address portion and a data portion,
10 wherein the address portion comprises the predetermined data sequence,

11 ~~The method of claim 13~~ wherein the data portion comprises a command identifier
12 that identifies the predetermined operation.

1 15. (Currently amended): A storage device having a memory component and
2 a control component, the control component configured to operate according to the method of
3 claim ~~[[1]]~~12.

1 16. (Original): The storage device of claim 15, wherein the control
2 component is further configured to communicate with a computing device.

17-22. (Canceled)

1 23. (Currently amended): A method for accessing a storage device
2 comprising:
3 communicating a first write operation to a storage device, the first write operation
4 having associated therewith first data comprising address data and write data, wherein the write
5 data is written to a memory location of a memory indicated by the address data;
6 communicating a second write operation to the storage device, the second write
7 operation having associated therewith second data comprising a predetermined data sequence,
8 wherein the storage device performs a predetermined operation other than a write operation in
9 response to detecting the predetermined data sequence; and

10 communicating a read operation subsequent to the second write operation,
11 wherein the predetermined operation produces result data,
12 wherein the storage device responds to the read operation with the result data,

13 ~~The method of claim 22~~ wherein the step of communicating a first write operation
14 is performed in response to performing a first write operation to a file, the step of communicating

15 a second write operation is performed in response to performing a second write operation to the
16 file, and the step of communicating a read operation is performed in response to performing a
17 read operation on the file.

1 24. (Original): The method of claim 23 wherein the steps of performing a
2 second write operation to the file and performing a read operation on the file are performed in
3 response to making an API (application programmer's interface) call to perform the
4 predetermined operation in the storage device.

1 25. (Original): The method of claim 24 wherein the steps of making an API
2 call, performing a second write operation to the file, and performing a read operation on the file
3 are performed by program code which comprise one or more program code portions of an
4 application.

1 26. (Original): The method of claim 25 wherein the step of communicating a
2 first write operation, communicating a second write operation, and communicating a read
3 operation are performed by program code which comprise one or more program code portions of
4 an OS (operating system).

1 27. (Currently amended): The method of claim ~~[[22]]~~23 wherein the storage
2 device is configured to perform a plurality of predetermined operations.

1 28. (Original): The method of claim 27 wherein the second data further
2 comprises a command data sequence that is indicative of the predetermined operation.

1 29. (Original): The method of claim 27 wherein the second data further
2 comprises address data, wherein the predetermined data sequence constitutes the address data.

1 30. (Currently amended): The method of claim ~~[[22]]~~23 wherein the result
2 data is stored in a data store other than the memory.

1 31. (Currently amended): The method of claim ~~[[22]]~~23 wherein the result
2 data is stored beginning at a predetermined location in the memory.

32. (Canceled)

1 33. (Currently amended): A method for accessing a data storage device
2 comprising:
3 communicating an indication to the data storage device to perform a first
4 operation, the first operation being one of a plurality of first device operations;
5 communicating first data to the data storage device, the first data being associated
6 with the first operation;
7 determining whether to perform at least a second operation based on data
8 contained in the first data, the second operation being exclusive of the plurality of first device
9 operations.

10 ~~The method of claim 32~~ wherein the data storage device has a corresponding
11 command set associated with the first device operations, wherein the second operation is not
12 associated with any commands in the command set, wherein the step of communicating an
13 indication is a step of communicating a command from the command set.

1 34. (Original): The method of claim 33 wherein the data storage device has
2 only a single corresponding command set.

1 35. (Currently amended): The method of claim ~~[[32]]~~33 further comprising
2 performing the second operation instead of the first operation if the first data contains a
3 predetermined sequence of data.

1 36. (Currently amended): The method of claim ~~[[32]]~~33 further comprising
2 performing the second operation in addition to performing the first operation if the first data
3 contains a predetermined sequence of data.

1 37. (Currently amended): The method of claim [[32]]33 wherein the first
2 operation is a write operation and the first data is data to be written by the write operation.

1 38. (Currently amended): The method of claim [[32]]33 wherein the steps of
2 communicating include asserting signals on one or more signal lines of the data storage device.

1 39. (Currently amended): The method of claim [[32]]33 wherein the steps of
2 communicating include transmitting data over one or more data lines of the data storage device.

1 40. (Original): A method of accessing a storage device comprising:
2 providing a plurality of first operations in the storage device, each first operation
3 having an associated command, thereby defining a command set;
4 providing a plurality of second operations in the storage device, the command set
5 being absent any commands that are associated with the second operations;
6 communicating to the storage device a command associated with one of the first
7 operations, including communicating data associated with the command;
8 detecting a predetermined data sequence in the data associated with the command,
9 and in response thereto, performing one of the second operations; and
10 if the data associated with the command is absent the predetermined data
11 sequence, then performing one of the first operations associated with the command.

1 41. (Original): The method of claim 40 wherein performing one of the second
2 operations produces result data.

1 42. (Original): The method of claim 40 wherein the data associated with the
2 command includes data indicative of one of the second operations.

1 43. (Original): The method of claim 42 wherein the command is a write
2 command.

1 44. (Original): The method of claim 42 wherein one of the first operations is
2 associated with the command, the method further comprising performing the associated first
3 command in addition to performing one of the second operations.

1 45. (Original): The method of claim 40 further comprising communicating a
2 subsequent command to the storage device, the subsequent command having data associated
3 therewith, wherein the data is indicative of one of the second operations.

1 46. (Original): The method of claim 40 wherein performing the second
2 operation produces result data, the method further comprising communicating a subsequent
3 command that is indicative of a read operation, detecting the subsequent command and in
4 response thereto responding with the result data.

1 47. (Original): The method of claim 46 wherein the steps of communicating
2 are performed by executing first computer program code.

1 48. (Original): The method of claim 47 wherein executing the first program
2 code is performed in response to executing second program code.

1 49. (Original): The method of claim 48 wherein the first program code is a
2 constituent part of an operating system, wherein the second program code is a constituent part of
3 an application program.

1 50. (Currently amended): A storage device comprising:
2 a memory component having a corresponding command set;
3 a control component operatively coupled to the memory component for writing
4 data to the memory component and for reading data from the memory component; and
5 [[and]]an interface operably coupled to the control component and configured for
6 communication with a host device,

7 the control component configured to perform a plurality of device operations and
8 a plurality of extended operations, wherein each of the device operations is associated with a
9 command in the command set,

10 the control component further configured to detect commands communicated
11 from a host device wherein the device operation associated with a communicated command can
12 be performed,

13 the control component further configured to detect a predetermined sequence of
14 data in first data associated with a first command from the command set, and to perform one of
15 the extended operations in response to detecting the predetermined sequence of data.

1 51. (Original): The device of claim 50 wherein the extended operations do not
2 have associated commands in the command set.

1 52. (Original): The device of claim 50 further comprising a data store,
2 wherein at least one of the extended operations generates result data that can then be stored in the
3 memory component.

1 53. (Original): The device of claim 50 wherein at least one of the extended
2 operations generates result data, wherein the control component is further configured to store the
3 result data beginning at a predetermined location in the memory.

1 54. (Original): The device of claim 50 wherein the first command is a write
2 command and the first data comprises an address portion and a data portion.

1 55. (Original): The device of claim 54 wherein the data portion comprises the
2 predetermined sequence of data and an extended command specifier, wherein the control
3 component is further configured to perform one of the extended operations based on the
4 extended command specifier.

1 56. (Original): The device of claim 54 wherein the address portion comprises
2 the predetermined sequence of data and the data portion comprises an extended command
3 specifier, wherein the control component is further configured to perform one of the extended
4 operations based on the extended command specifier.

1 57. (Original): The device of claim 50 wherein the control component is
2 further configured to perform a device operation corresponding to the first command in addition
3 to performing the extended operation in response to detecting the predetermined sequence of
4 data.

1 58. (Original): The device of claim 50 the extended operation is performed
2 instead of performing a device operation corresponding to the first command in response to
3 detecting the predetermined sequence of data.

1 59. (Original): The device of claim 50 wherein the control component
2 comprises a controller and one or more processing units, the one or more processing units
3 configured to perform the extended operations, the controller comprising logic to detect the
4 predetermined sequence of data, the controller operatively coupled to operate the one or more
5 processing units to perform an extended operation in response to detecting the predetermined
6 sequence of data.

1 60. (Original): A host device configured to communicate with the storage
2 device of claim 50 comprising first software for communicating one or more of the commands to
3 the storage device.

1 61. (Original): The host device of claim 60 further comprising second
2 software for performing file input and file output operations, wherein the first software
3 communicates one or more of the commands to the storage device in response to the file input
4 and file output operations.

62-64. (Canceled)